



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/738,333	12/18/2003	Richard A. Cavanagh	84,768	7925

7590 11/05/2004

COASTAL SYSTEMS STATION, DAHLGREN DIVISION
NAVAL SURFACE WARFARE CENTER
6703 W HWY 98 CODE CP2L
PANAMA CITY, FL 32407-7001

EXAMINER

PATEL, HARSHAD R

ART UNIT	PAPER NUMBER
----------	--------------

2855

DATE MAILED: 11/05/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/738,333	CAVANAGH, RICHARD A.	
	Examiner	Art Unit	
	Harshad Patel	2855	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-20 is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

Specification

1. The disclosure is objected to because of the following informalities:

Page 6, line 18, "to a that" is unclear. It seems something is missing in the phrase.

Page 7, line 1, Numeral 58 is not in the figure.

Page 8, line 1, "orifice 18" should be --orifice 22--.

Page 8, line 13, "tube like coupling 58" should be --tube like coupling 60--.

Page 9, line 6, "second tubing 26" should be --second tubing 24--.

Page 10, line 2, numeral 23 is not in the figure.

Page 11, line 8 and line 18 and also elsewhere in the specification, numeral 56 and 58 are both referring to a spray capture tube. It seems that everywhere in the specification, numeral 58 should be replaced by numeral 56.

It is noticed that the specification is replete with numerical errors in the reference numerals. Applicant is advised to thoroughly check for such errors and correct them prior to submitting the response. Appropriate correction is required.

Claim Objections

2. Claim 19 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form. Claim 19, a method claim, depends on claim 7, an apparatus claim. It seems that claim 19 should depend on claim 18.

Art Unit: 2855

Allowable Subject Matter

3. The following is a statement of reasons for the indication of allowable subject matter: Prior arts made available do not teach or fairly suggest, alone or in combination, a system for measuring dynamic forces of impacting air/water spray comprising a pitot-tube arrangement and a rain gauge arrangement. The pitot tube arrangement having a differential pressure transducer for producing a flow velocity signal and a rain gage arrangement including a differential pressure transducer to provide signal related to the volume of water collected. A computer connected to receive the signals for indicating the magnitude of dynamic force attributed to impacting the spray.

Conclusion

4. This application is in condition for allowance except for the following formal matters as mention in paragraphs 1 and 2 of the office action.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Harshad Patel whose telephone number is (571) 272-2187. The examiner can normally be reached on Monday-Thursday (7:00 AM-5:30 PM).



Harshad Patel
Primary Examiner
Art Unit 2855